



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/840,139  
Source: 1/FLSC  
Date Processed by STIC: 5/13/04

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

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TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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Revised 10/08/03



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/840,139

DATE: 05/13/2004

TIME: 12:36:49

Input Set : A:\IRF6.ST25.txt

Output Set: N:\CRF4\05132004\J840139.raw

3 <110> APPLICANT: Schutte, Brian C.  
 4 Murray, Jeffrey C.  
 5 Kondo, Shinji  
 6 Dixon, Michael J.  
 8 <120> TITLE OF INVENTION: IRF6 POLYMORPHISMS ASSOCIATED WITH CLEFT LIP AND/OR PALATE  
 10 <130> FILE REFERENCE: P06215US01  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/840,139  
 13 <141> CURRENT FILING DATE: 2004-05-06  
 15 <150> PRIOR APPLICATION NUMBER: US 60/468,191  
 16 <151> PRIOR FILING DATE: 2003-05-06  
 18 <160> NUMBER OF SEQ ID NOS: 3  
 20 <170> SOFTWARE: PatentIn version 3.2  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 2171  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Homo sapiens  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: variation  
 30 <222> LOCATION: (3)..(3) *OK*  
 31 <223> OTHER INFORMATION: G to A (exon 3)  
 33 <220> FEATURE:  
 34 <221> NAME/KEY: variation  
 35 <222> LOCATION: (5)..(5)  
 36 <223> OTHER INFORMATION: C to T (exon 3) ? *"T" is shown at location 5, not "C"*  
 38 <220> FEATURE:  
 39 <221> NAME/KEY: variation  
 40 <222> LOCATION: (17)..(17)  
 41 <223> OTHER INFORMATION: 17ins(C) (exon 3)  
 43 <220> FEATURE:  
 44 <221> NAME/KEY: variation  
 45 <222> LOCATION: (48)..(48)  
 46 <223> OTHER INFORMATION: A to T (exon 2) *"g" is at location 48*  
 48 <220> FEATURE:  
 49 <221> NAME/KEY: variation  
 50 <222> LOCATION: (49)..(49)  
 51 <223> OTHER INFORMATION: 49del (CAGGTGGATAGTGGCC (exon 3)  
 53 <220> FEATURE:  
 54 <221> NAME/KEY: variation  
 55 <222> LOCATION: (52)..(52)  
 56 <223> OTHER INFORMATION: G to A (exon 3) *"a" is shown at location 52, not "g"*  
 58 <220> FEATURE:  
 59 <221> NAME/KEY: variation  
 60 <222> LOCATION: (53)..(53)

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61 <223> OTHER INFORMATION: T to C (exon 3) *"g" is at 53*  
 63 <220> FEATURE:  
 64 <221> NAME/KEY: variation  
 65 <222> LOCATION: (69)..(69)  
 66 <223> OTHER INFORMATION: C to A (exon 3) *"a" is shown at 69*  
 68 <220> FEATURE:  
 69 <221> NAME/KEY: variation  
 70 <222> LOCATION: (115)..(115)  
 71 <223> OTHER INFORMATION: C to G (exon 3) *"g" is shown at 115*  
 73 <220> FEATURE:  
 74 <221> NAME/KEY: variation  
 75 <222> LOCATION: (178)..(178)  
 76 <223> OTHER INFORMATION: T to G (exon 4) *"a" is at 178*  
 78 <220> FEATURE:  
 79 <221> NAME/KEY: variation  
 80 <222> LOCATION: (182)..(182)  
 81 <223> OTHER INFORMATION: C to G (exon 4) *"a" is at 182*  
 83 <220> FEATURE:  
 84 <221> NAME/KEY: variation  
 85 <222> LOCATION: (197)..(197) *OK*  
 86 <223> OTHER INFORMATION: A to C (exon 4)  
 88 <220> FEATURE:  
 89 <221> NAME/KEY: variation  
 90 <222> LOCATION: (202)..(202)  
 91 <223> OTHER INFORMATION: C to T (exon 4) *"t" is at 202*  
 93 <220> FEATURE:  
 94 <221> NAME/KEY: variation  
 95 <222> LOCATION: (208)..(208) *OK*  
 96 <223> OTHER INFORMATION: G to C (exon 4)  
 98 <220> FEATURE:  
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 100 <222> LOCATION: (226)..(226)  
 101 <223> OTHER INFORMATION: C to T (exon 4) *"t" is at 226*  
 103 <220> FEATURE:  
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 105 <222> LOCATION: (244)..(244)  
 106 <223> OTHER INFORMATION: C to A (exon 4) *"a" is at 244*  
 108 <220> FEATURE:  
 109 <221> NAME/KEY: variation  
 110 <222> LOCATION: (250)..(250)  
 111 <223> OTHER INFORMATION: C to T (exon 4) *"t" is at 250*  
 113 <220> FEATURE:  
 114 <221> NAME/KEY: variation  
 115 <222> LOCATION: (251)..(251) *OK*  
 116 <223> OTHER INFORMATION: G to A (exon 4)  
 118 <220> FEATURE:  
 119 <221> NAME/KEY: variation  
 120 <222> LOCATION: (262)..(262)  
 121 <223> OTHER INFORMATION: A to C (exon 4) *"t" is at 262*

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123 <220> FEATURE:  
 124 <221> NAME/KEY: variation  
 125 <222> LOCATION: (265)..(265) *"t" is at 265*  
 126 <223> OTHER INFORMATION: A to G (exon 4)  
 128 <220> FEATURE:  
 129 <221> NAME/KEY: variation  
 130 <222> LOCATION: (268)..(268)  
 131 <223> OTHER INFORMATION: A to G (exon 4) *"c" is at 268*  
 133 <220> FEATURE:  
 134 <221> NAME/KEY: variation  
 135 <222> LOCATION: (274)..(274)  
 136 <223> OTHER INFORMATION: G to T (exon 4) *"a" is at 274*  
 138 <220> FEATURE:  
 139 <221> NAME/KEY: variation  
 140 <222> LOCATION: (292)..(292)  
 141 <223> OTHER INFORMATION: G to C (exon 4) *"t" is at 292*  
 143 <220> FEATURE:  
 144 <221> NAME/KEY: variation  
 145 <222> LOCATION: (352)..(352)  
 146 <223> OTHER INFORMATION: C to T (exon 4) *"a" is at 352*  
 148 <220> FEATURE:  
 149 <221> NAME/KEY: variation  
 150 <222> LOCATION: (466)..(466)  
 151 <223> OTHER INFORMATION: 466ins(C) (exon 5)  
 153 <220> FEATURE:  
 154 <221> NAME/KEY: variation  
 155 <222> LOCATION: (558)..(558)  
 156 <223> OTHER INFORMATION: C to A (exon 6) *"g" is at 558*  
 158 <220> FEATURE:  
 159 <221> NAME/KEY: variation  
 160 <222> LOCATION: (576)..(576)  
 161 <223> OTHER INFORMATION: G to A (exon 6) *"a" is at 576*  
 163 <220> FEATURE:  
 164 <221> NAME/KEY: variation  
 165 <222> LOCATION: (634)..(634)  
 166 <223> OTHER INFORMATION: 634ins(CCAC) (exon 6)  
 168 <220> FEATURE:  
 169 <221> NAME/KEY: variation  
 170 <222> LOCATION: (657)..(657)  
 171 <223> OTHER INFORMATION: 657del(CTCTCTCCC)ins(TA) (exon 6)  
 173 <220> FEATURE:  
 174 <221> NAME/KEY: variation  
 175 <222> LOCATION: (744)..(744)  
 176 <223> OTHER INFORMATION: 744del(CTGCC) (exon 7)  
 178 <220> FEATURE:  
 179 <221> NAME/KEY: variation  
 180 <222> LOCATION: (749)..(749)  
 181 <223> OTHER INFORMATION: G to A (exon 7) *"c" is at 749*  
 183 <220> FEATURE:

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Input Set : A:\IRF6.ST25.txt

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184 <221> NAME/KEY: variation  
 185 <222> LOCATION: (759)..(759) *C is at 759*  
 186 <223> OTHER INFORMATION: T to A (exon 7)  
 188 <220> FEATURE:  
 189 <221> NAME/KEY: variation  
 190 <222> LOCATION: (795)..(795)  
 191 <223> OTHER INFORMATION: 795del(C) (exon 7)  
 193 <220> FEATURE:  
 194 <221> NAME/KEY: variation  
 195 <222> LOCATION: (818)..(818)  
 196 <223> OTHER INFORMATION: A to G (exon 7) *C is at 818*  
 198 <220> FEATURE:  
 199 <221> NAME/KEY: variation  
 200 <222> LOCATION: (842)..(842)  
 201 <223> OTHER INFORMATION: 842del(A) (exon 7)  
 203 <220> FEATURE:  
 204 <221> NAME/KEY: variation  
 205 <222> LOCATION: (870)..(870)  
 206 <223> OTHER INFORMATION: 870del(CACTAGCAAGCTGCTGGAC)lns(A) (exon 7)  
 208 <220> FEATURE:  
 209 <221> NAME/KEY: variation  
 210 <222> LOCATION: (881)..(881) *OK*  
 211 <223> OTHER INFORMATION: T to C (exon 7)  
 213 <220> FEATURE:  
 214 <221> NAME/KEY: variation  
 215 <222> LOCATION: (889)..(889)  
 216 <223> OTHER INFORMATION: G to A (exon 7) *C is at 889*  
 218 <220> FEATURE:  
 219 <221> NAME/KEY: variation  
 220 <222> LOCATION: (958)..(958) *OK*  
 221 <223> OTHER INFORMATION: A to G (exon 7)  
 223 <220> FEATURE:  
 224 <221> NAME/KEY: variation  
 225 <222> LOCATION: (961)..(961) *OK*  
 226 <223> OTHER INFORMATION: G to A (exon 7)  
 228 <220> FEATURE:  
 229 <221> NAME/KEY: variation  
 230 <222> LOCATION: (974)..(974)  
 231 <223> OTHER INFORMATION: G to A (exon 7) *C is at 974*  
 233 <220> FEATURE:  
 234 <221> NAME/KEY: variation  
 235 <222> LOCATION: (1034)..(1034) *OK*  
 236 <223> OTHER INFORMATION: T to C (exon 7)  
 238 <220> FEATURE:  
 239 <221> NAME/KEY: variation  
 240 <222> LOCATION: (1040)..(1040) *OK*  
 241 <223> OTHER INFORMATION: G to T (exon 7)  
 243 <220> FEATURE:  
 244 <221> NAME/KEY: variation

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Input Set : A:\IRF6.ST25.txt

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245 <222> LOCATION: (1106)..(1106) *OK*  
 246 <223> OTHER INFORMATION: T to C (exon 8)  
 248 <220> FEATURE:  
 249 <221> NAME/KEY: variation  
 250 <222> LOCATION: (1122)..(1122) *OK*  
 251 <223> OTHER INFORMATION: C to G (exon 8)  
 253 <220> FEATURE:  
 254 <221> NAME/KEY: variation  
 255 <222> LOCATION: (1162)..(1162) *g is at 1162*  
 256 <223> OTHER INFORMATION: A to G (exon 8)  
 258 <220> FEATURE:  
 259 <221> NAME/KEY: variation  
 260 <222> LOCATION: (1177)..(1177) *a is at 1177*  
 261 <223> OTHER INFORMATION: C to T (exon 8)  
 263 <220> FEATURE:  
 264 <221> NAME/KEY: variation  
 265 <222> LOCATION: (1234)..(1234) *OK*  
 266 <223> OTHER INFORMATION: C to T (exon 9)  
 268 <220> FEATURE:  
 269 <221> NAME/KEY: variation  
 270 <222> LOCATION: (1288)..(1288) *a is at 1288*  
 271 <223> OTHER INFORMATION: G to A (exon 9)  
 273 <220> FEATURE:  
 274 <221> NAME/KEY: variation  
 275 <222> LOCATION: (1381)..(1381)  
 276 <223> OTHER INFORMATION: 1381ins(C) (exon 9)  
 278 <400> SEQUENCE: 1  
 279 gagctcggcg cacctgggct gggcaggtaa gggctggtgc gggacgggpa gaggaacctg 60  
 281 cagtcacctac ttgggtagag ccaggcgccc cttggctaag acgtcgagga gcgtggttagc 120  
 283 gacgggtgat cttcgctgcg gacttggttc ggagggacgt ccgcttcttg tggacagatt 180  
 285 gagcaaagaa tctttgagcg gtcaagggaa agacaagccg actcttcaga tccctgtgga 240  
 287 cacactgcct gctcttccat acatgggccc tccgcccccg cagagtccgg cttaaagccct 300  
 289 ggctggtggc ccaggtggat agtggcctct accctgggct catctggcta cacagggaact 360  
 291 ctaaagcgtt ccagattccc tggaaacatg ccaccgggca tagccctcaa caagaagagg 420  
 293 aaaataccat ttttaaggcc tgggctgtag agacaggga gtaccaggaa ggggtggatg 480  
 295 accctgacct agctaaatgg aaggcccagc tgcgctgtgc tctcaataag agcagagaat 540  
 297 tcaacctgat gtatgatgac accaaggagg tgcccatgaa ccagtgaaag atatatcaag 600  
 299 tgtgtgacat cctcagccc cagggtcga tcattaaccc aggatccaca gggctctgctc 660  
 301 cctgggatga gaaggataat gatgtggatg aagaagatga ggaagatgag ctggatcagt 720  
 303 cgcagacca tgttcccatc caggacaact tccccttctt gaacatcaat ggttctccca 780  
 305 tggcgccagc cagtgtgggc aattgcagtg tgggcaactg cagcccggag gcagtgtggc 840  
 307 caaaaactga acccctggag atggaagtac ccaggcacc tatacagccc ttctatagct 900  
 309 ctccagaact gtggatcagc tctctcccaa tgactgacct ggacatcaag tttcagtacc 960  
 311 gtgggaagga gtaaggcg accatgaccg tgagcaaccc tcagggtgctc cgactcttct 1020  
 313 atggggacct ggggtcccatg cctgaccagg aggagctctt tgggtccgctc agcctggagc 1080  
 315 aggtcaaat ccagggtcct gagcatatta ccaatgagaa gcagaagctg ttcactagca 1140  
 317 agctgctgga cgtcatggac agaggactga tcttggaggt cagcgggtcat gccatttatg 1200  
 319 ccatcaggct gtgccagtg aaggtgtact ggtctgggccc atgtgcccc tcaactgttg 1260  
 321 ctcccaacct gattgagaga caaaagaagg tcaagctatt ttgtctggaa acattcctta 1320

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/840,139

DATE: 05/13/2004

TIME: 12:36:50

Input Set : A:\IRF6.ST25.txt

Output Set: N:\CRF4\05132004\J840139.raw

L:12 M:270 C: Current Application Number differs, Wrong Format